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OM protein - protein search, using sw model

Run on: March 14, 2003, 09:24:14 ; Search time 9.29245 Seconds
(without alignments)
1247.332 Million cell updates/sec

Title: US-09-836-077-4

Perfect score: 2120
Sequence: 1 MRPPEPPGRAPSAAPRARVLS.....TFQVADSHPEVAQRVEPMGP 394

Scoring table: BLOSUM62
Gap 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database :

Issued_Patents_AA: *
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep: *
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep: *
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep: *
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep: *
5: /cgn2_6/ptodata/2/1aa/PTCUS.COMB.pep: *
6: /cgn2_6/ptodata/2/1aa/backfiles1.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| 1 | 1897 | 89.5 | 666 | 4 | US-09-240-410-2 |
| 2 | 1755 | 82.8 | 634 | 4 | US-09-041-236-2 |
| 3 | 948.5 | 44.7 | 215 | 4 | US-09-240-410-4 |
| 4 | 902 | 42.5 | 606 | 4 | US-09-041-236-4 |
| 5 | 363 | 17.1 | 771 | 1 | US-08-121-713D-54 |
| 6 | 363 | 17.1 | 771 | 1 | US-08-835-268-54 |
| 7 | 363 | 17.1 | 771 | 3 | US-09-060-692-54 |
| 8 | 363 | 17.1 | 771 | 3 | US-08-833-391-54 |
| 9 | 363 | 17.1 | 771 | 5 | US-09-060-610-54 |
| 10 | 363 | 17.1 | 771 | 5 | PCT-US94-10151A-54 |
| 11 | 346 | 16.3 | 660 | 4 | US-09-181-706-8 |
| 12 | 346 | 16.3 | 660 | 4 | US-09-458-791-8 |
| 13 | 346 | 16.3 | 660 | 4 | US-09-459-066-8 |
| 14 | 342.5 | 16.2 | 775 | 4 | US-09-308-1798-1 |
| 15 | 341.5 | 16.1 | 441 | 1 | US-08-121-713D-56 |
| 16 | 341.5 | 16.1 | 441 | 1 | US-08-835-268-56 |
| 17 | 341.5 | 16.1 | 441 | 1 | US-09-060-692-56 |
| 18 | 341.5 | 16.1 | 441 | 2 | US-08-833-391-56 |
| 19 | 341.5 | 16.1 | 441 | 3 | US-09-060-610-56 |
| 20 | 309 | 14.6 | 730 | 1 | PCT-US94-10151A-56 |
| 21 | 309 | 14.6 | 730 | 1 | US-08-121-713D-58 |
| 22 | 309 | 14.6 | 730 | 1 | US-08-835-268-58 |
| 23 | 309 | 14.6 | 730 | 2 | US-09-060-692-58 |
| 24 | 309 | 14.6 | 730 | 3 | US-08-833-391-58 |
| 25 | 309 | 14.6 | 730 | 4 | US-09-060-610-58 |
| 26 | 309 | 14.6 | 730 | 5 | PCT-US94-10151A-58 |
| 27 | 297.5 | 14.0 | 712 | 1 | US-08-121-713D-64 |

| | | | | | | |
|----|-------|------|-----|---|--------------------|-------------------|
| 28 | 297.5 | 14.0 | 712 | 1 | US-08-835-268-64 | Sequence 64, Appl |
| 29 | 297.5 | 14.0 | 712 | 2 | US-09-060-692-64 | Sequence 64, Appl |
| 30 | 297.5 | 14.0 | 712 | 4 | US-08-833-391-64 | Sequence 64, Appl |
| 31 | 297.5 | 14.0 | 712 | 5 | US-09-060-610-64 | Sequence 64, Appl |
| 32 | 297.5 | 14.0 | 712 | 5 | PCT-US94-10151A-64 | Sequence 64, Appl |
| 33 | 278.5 | 13.1 | 477 | 1 | US-08-136-922-2 | Sequence 62, Appl |
| 34 | 264 | 12.5 | 724 | 1 | US-08-835-268-62 | Sequence 62, Appl |
| 35 | 264 | 12.5 | 724 | 1 | US-08-833-391-62 | Sequence 62, Appl |
| 36 | 264 | 12.5 | 724 | 2 | US-09-060-692-62 | Sequence 62, Appl |
| 37 | 264 | 12.5 | 724 | 3 | US-08-833-391-62 | Sequence 62, Appl |
| 38 | 264 | 12.5 | 724 | 4 | US-09-060-610-62 | Sequence 62, Appl |
| 39 | 264 | 12.5 | 724 | 5 | PCT-US94-10151A-62 | Sequence 60, Appl |
| 40 | 260 | 12.3 | 650 | 1 | US-08-121-713D-60 | Sequence 60, Appl |
| 41 | 260 | 12.3 | 650 | 1 | US-08-835-268-60 | Sequence 60, Appl |
| 42 | 260 | 12.3 | 650 | 2 | US-09-060-692-60 | Sequence 60, Appl |
| 43 | 260 | 12.3 | 650 | 3 | US-08-833-391-60 | Sequence 60, Appl |
| 44 | 260 | 12.3 | 650 | 4 | US-09-060-610-60 | Sequence 60, Appl |
| 45 | 260 | 12.3 | 650 | 5 | PCT-US94-10151A-60 | Sequence 60, Appl |

ALIGNMENTS

```
RESULT 1
US-09-240-410-2
; Sequence 2, Application US/09240410
; Patent No. 6197544
; GENERAL INFORMATION:
; APPLICANT: MICHALOVICH, DAVID
; APPLICANT: HAYES, PHILIP DAVID
; TITLE OF INVENTION: NOVEL COMPOUNDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESS: Ralner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/240,410
; FILING DATE: 27-JAN-1999
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: UK APPLICATION NO. TO BE ASSIGNED
; FILING DATE: 20-JAN-1999
; APPLICATION NUMBER: EP APPLICATION NO. 98300694.1
; FILING DATE: 30-JAN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23, 031
; REFERENCE/DOCKET NUMBER: GP-30039
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 666 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-240-410-2
; Query Match 89.5%; Score 1897; DB 4; Length 666;
; Best Local Similarity 90.2%; Pred. No. 9.7e-192;
; Matches 358; Conservative 8; Mismatches 27; Indels 4; Gaps 2;
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QY 1 MTPPPGAAASABARAVLSLPARFGLPLRLLLLVFWAAASAGHSRSGPRISAVWK 59
1 MTPPPGAAASABARAVLPARFGLPLRLLLLVFWAAASAGHSRSGPRIFAVWK 60
Db 1 MTPPPGAAASABARAVLPARFGLPLRLLLLVFWAAASAGHSRSGPRIFAVWK 60
QY 60 --GDDHVSQPEPHVTLFHEPGSFSVWVGKGVYHNFPEGNASRYVINGSTKSC 117
117
Db 61 HVGDVDFGTEPHVTLFHEPGSFSVWVGKGVYHNFPEGNASRYVINGSTKSC 120
118 QDKODCNVITLLERRGGLVCTNARKPSCMNLVNDVMSLGEMGYAPFSPDENL 177
121 LDKRDCENVITLLERRSGGLLACGTNARKPSCMNLVNTYV-PLGEMGYAPFSPDENL 179
QY 178 VLEFGDEVYSTIRKQENKGIPIFRIRIGESSELYTSDTVMONPOFIKATIVHODQAYDK 237
180 VLEFGDEVYSTIRKQENKGIPIFRIRIGESSELYTSDTVMONPOFIKATIVHODQAYDK 239
QY 238 IYFFREDNPKNEAPLNVSRVAQLCRDGGESSLSVSKWNTFLKMLVCSAATNRN 297
240 IYFFREDNPKNEAPLNVSRVAQLCRDGGESSLSVSKWNTFLKMLVCSAATNRN 299
QY 298 FNRLQDVFLLPDPSGQMDRTFRVGVFSNPNMYSACVYSLGDIRVFTSSLKGYHMGSL 357
300 FNRLQDVFLLPDPSGQMDRTFRVGVFSNPNMYSACVYSLGDIRVFTSSLKGYHMGSL 359
Db 300 FNRLQDVFLLPDPSGQMDRTFRVGVFSNPNMYSACVYSLGDIRVFTSSLKGYHMGSL 359
QY 358 NRPFGMCLPKKQIPITETFOVADSHPEVAQRYEPMGP 394
360 NRPFGMCLPKKQIPITETFOVADSHPEVAQRYEPMGP 396
Db 360 NRPFGMCLPKKQIPITETFOVADSHPEVAQRYEPMGP 396

RESULT 2
US-09-041-236-2
Sequence 2, Application US/09041236
Patent No. 6225285
GENERAL INFORMATION:
APPLICANT: Luo, Yuling
APPLICANT: Xiomel, Xu
TITLE OF INVENTION: Semaphorin K1
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 75 DENISE DRIVE
CITY: HILLSBOROUGH
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94010
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/041,236
FILING DATE: March 11, 1998
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: EXEL98-001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 343-4341
TELEFAX: (650) 343-4342
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 634 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-041-236-2

Query Match 82.8%; Score 1755; DB 4; Length 634;
Best Local Similarity 90.4%; Pred. No. 9.5e-177;
Matches 330; Conservative 8; Mismatches 23; Indels 4; Gaps 2;

QY 33 LLLVFWAAASAGHSRSGPRISAVWK--GDDHVSQPEPHVTLFHEPGSFSVWVGGR 89
1 LLLVFWAAASAGHSRSGPRIFAVWKGVGDVDFGTEPHVTLFHEPGSFSVWVGGR 60
Db 1 LLLVFWAAASAGHSRSGPRIFAVWKGVGDVDFGTEPHVTLFHEPGSFSVWVGGR 60
QY 90 GKVYHNFPEGNASRYVINGSTKSCQDKODCNVITLLERRGGLVCTNARKPSC 149
61 GKVYHNFPEGNASRYVINGSTKSCQDKODCNVITLLERRGGLVCTNARKPSC 120
QY 150 WNLVNDVMSLGEMGYAPFSPDENSLVLEFGDEVYSTIRKQENKGIPIFRIRIGSE 209
121 WNLVNGTYV-PLGEMGYAPFSPDENSLVLEFGDEVYSTIRKQENKGIPIFRIRIGSE 179
Db 121 WNLVNGTYV-PLGEMGYAPFSPDENSLVLEFGDEVYSTIRKQENKGIPIFRIRIGSE 179
QY 210 LYTSDFVMONPOFIKATIVHODQAYDKIYFFREDNPKNEAPLNVSRVAQLCRDGG 269
180 LYTSDFVMONPOFIKATIVHODQAYDKIYFFREDNPKNEAPLNVSRVAQLCRDGG 239
QY 270 GESSLSVSKWNTFLKMLVCSAATNRNFNRLQDVFLLPDPSGQMDRTFRVGVFSNPNY 329
240 GESSLSVSKWNTFLKMLVCSAATNRNFNRLQDVFLLPDPSGQMDRTFRVGVFSNPNY 299
QY 330 SAVCVYSLGDIRVFTSSLKGYHMGSLNRPFGMCLPKKQIPITETFOVADSHPEVAQRY 389
300 SAVCVYSLGDIRVFTSSLKGYHMGSLNRPFGMCLPKKQIPITETFOVADSHPEVAQRY 359
Db 300 SAVCVYSLGDIRVFTSSLKGYHMGSLNRPFGMCLPKKQIPITETFOVADSHPEVAQRY 359
QY 390 EPMGP 394
360 EPMGP 364
Db 360 EPMGP 364

RESULT 3
US-09-240-410-4
Sequence 4, Application US/09240410
Patent No. 6197544
GENERAL INFORMATION:
APPLICANT: MICHALOVICH, DAVID
APPLICANT: HAYES, PHILIP DAVID
TITLE OF INVENTION: NOVEL COMPOUNDS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: Ratner & Prestlia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: USA
ZIP: 19482
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/240,410
FILING DATE: 27-JAN-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK APPLICATION NO. TO BE ASSIGNED
FILING DATE: 20-JAN-1999
APPLICATION NUMBER: EP APPLICATION NO. 98300694.1
ATTORNEY/AGENT INFORMATION:
NAME: Prestlia, Paul F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: GP-30039
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0700
TELEX: 846169
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-240-410-4

Query Match 44.7%; Score 948.5; DB 4; Length 215;
Best Local Similarity 85.2%; Pred. No. 3.5e-92;
Matches 184; Conservative 6; Mismatches 22; Indels 3; Gaps 3;

QY 60 GODHDFEQPHRYTLFHEPGSFVWVGGRGVYHFNPECKNNAVRYVNIISTGSGCD 119
DB 1 GDDRDFEQTEPHRYTLFHEPGSSVWVGGRGVYLFDEPECKNNAVRYVNIISTGSGCD 60
QY 120 KODCNVITLLERRRGNGLVCTNARKPSQWLVNDVSVMSGEMKGYAFSPDEN-SLV 178
DB 61 KRCDCNYITLLERRRSEGLACTNARKPSQWLVN-ALMCHLGESGTYAFSPDENVWF 119
QY 179 LFEQDEVYSTIRK-OEYNGKIPRRIRGESELYTSDFVMPQPIKATIVHQDQAYDK 237
DB 120 CFEQDEVYSTIRKARNYMWEDFRFRIRGESELYTSDFVMPQPIKATIVHQDQAYDK 179
QY 238 IYFFREDNPKNPEAPLVNSRVQALCRGDGESS 273
DB 180 IYFFREDNPKNPEAPLVNSRVQALCRGDGESS 215

RESULT 4

US-09-041-236-4
Sequence 4, Application US/09041236
Patent No. 6225285

GENERAL INFORMATION:
APPLICANT: Luo, Yuling
APPLICANT: Xiomel, Xu
TITLE OF INVENTION: Semaphorin K1
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY IAW GROUP
STREET: 75 DENISE DRIVE
CITY: HILLSBOROUGH
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94010
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/041.236
FILING DATE: March 11, 1998
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: EXEL98-001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 343-4341
TELEFAX: (650) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 606 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-041-236-4

Query Match 42.5%; Score 902; DB 4; Length 606;
Best Local Similarity 48.9%; Pred. No. 1.5e-86;
Matches 179; Conservative 54; Mismatches 127; Indels 6; Gaps 4;

QY 27 LPLRLILVFWVAASQGHRSRSGPRISAVWK---GQDHVPSQDEPHRYTLFHEPGSF 83
DB 4 LCVSIRLMLT-SAITAASRPRIDKPRILVNLTDGFGQ-HRFQDEPHRYTLFHSLSNSD 61

QY 84 VWVGRGVYHFNPECKNNAVRYVNIISTGSGCDKODCNVITLLERRRGNGLVCGTN 143
DB 62 YVVGNNNTIYLFDFAHSSNASATLINTITHTHLSTCENFTILLNQTDLGACTN 121
QY 144 ARKPSQWLVNDVSVMSGEMKGYAFSPDENSLVLFEGDEVYSTIRKOEYNGKIPRRR 203
DB 122 SQKPSQW-LINNLTLQFLGPKGLAFSPSSGNLVLPQNDYVSTINLYKSLSGSKRRR 180
QY 204 IRGESELYTSDFVMPQPIKATIVHQDQAYDKIYFFREDNPKNPEAPLVNSRVQAL 263
DB 181 IAGVELYTSDFVMPQPIKATIVHQDQAYDKIYFFREDNPKNPEAPLVNSRVQAL 240
QY 264 CRGDGESSLSVSRKMFELKALVCSDAATRNFRLODVLDPDPSGQMRDFTVYGVF 323
DB 241 CSDGDESSLSVYKMTFTFLKRLACVDYDGRITNELDIDITIQAPENSWEEITLYGLF 300
QY 324 SNPMVSAVCYVSLGDIQVFTSLSKGYHMLSPNRCMLPKKOPITETFOVADSH 383
DB 301 LSPMNSAVCVFTVMDIDHVFETSKLKNYHHLPPRPGQCKNQHVPTEFTFOVADRY 360
QY 384 EVAQRY 389
DB 361 EVADPY 366

RESULT 5

US-08-121-713D-54
Sequence 54, Application US/08121713D
Patent No. 5639856

GENERAL INFORMATION:
APPLICANT: Goodman, Corey S.
APPLICANT: Kolodkin, Alex L.
APPLICANT: Matthes, David R.
APPLICANT: Bentley, David R.
APPLICANT: O'Connor, Timothy
TITLE OF INVENTION: The Semaphorin Gene Family
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY IAW GROUP
STREET: 268 Bush Street, Suite 3200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/121.713D
FILING DATE: 13-SEP-1993
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A.
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: B94-002-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 771 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-121-713D-54

Query Match 17.1%; Score 363; DB 1; Length 771;
Best Local Similarity 28.0%; Pred. No. 2.4e-29;
Matches 119; Conservative 66; Mismatches 162; Indels 78; Gaps 19;

Sequence 54, Application US/09060601
Patent No. 634544
GENERAL INFORMATION:
APPLICANT: Goodman, Corey S.
APPLICANT: Kolodkin, Alex L.

Db 353 LGPAHBDGPNYQWVYQGRVPPRGTC-PSKTEGFGDSTKDLDPDVTTFARSHPMY 411
Qy 388 RYEPM 392
Db 412 PVFPM 416

RESULT 11
US-09-181-706-8
Sequence 8, Application US/09181706
Patent No. 6130068

GENERAL INFORMATION:
APPLICANT: Melanie K. Spriggs, Michael R. Comeau,
APPLICANT: Robert F. Dubose, Richard S. Johnson
TITLE OF INVENTION: VIRAL ENCODED SEMAPHORIN PROTEIN
TITLE OF INVENTION: RECEPTOR DNA AND POLYPEPTIDES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Janis C. Henry
STREET: 51 University St.
CITY: Seattle
STATE: WA
COUNTRY: US
ZIP: 98101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/181,706
FILING DATE: October 28, 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/958,598 (converted to a
APPLICATION NUMBER: Provisional, see below)
FILING DATE: October 28, 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: --to be assigned-- (USSN 08/958,598
APPLICATION NUMBER: conversion to Provisional application)
FILING DATE: October 26, 1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Henry, Janis C
REGISTRATION NUMBER: 34,347
REFERENCE/DOCKET NUMBER: 2631-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)470-4189
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 660 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-181-706-8

Query Match 16.3%; Score 346; DB 4; Length 660;
Best Local Similarity 30.9%; Pred. No. 1.2e-27;
Matches 97; Conservative 49; Mismatches 128; Indels 40; Gaps 13;

Qy 84 VAVGGRGKYYHNFPEGRKASRYTVNIGSTKSCQDKQCCGVITLLERKGNGLVCGTN 143
Db 297 LVTGVNGAVYTFSSNNELNKTGLTNNN-----NYIT-TSIRVEDTLVCGTN 340
Qy 144 ARKPSQWNLVNSVYVMSLGEKGYAFSPDENS--LVLEGEDEVSTIRKQENKIPPF 201
Db 341 NQNPCKWKIDGSEDEPKYRG--RGYAPY---QNSKVTIISHNCCVLSIDINISKEG--IKRW 393
Qy 202 RIRIGES--ELVTSPTVMQNPQIKATIVHODAVDDKIYFFREDNPKNPAPLNVSR 259
Db 394 RRFDPGCGDYLTADVNIIPK--DGVKGAFAVDKGTY--DKVYILFTDTIDTKR--IVKIPY 448

Qy 260 VAOICRGDGGESSLSVSKWNTFLKAMLYCS-DAATNRMFNRLQDVFLPDPSGQWRDR 318
Db 449 IAOICLNDGCGSSLSHSHWSTFLKVELCEDIDGNSYROI--IHSNITD-----NDTI 501
Qy 319 VYGVESNPWNYSAVCYSLGIDIDRVFRSTSLGYNHGLSNPRGKMLPKKQPIPETPQV 378
Db 502 LVVFDSPPYSKSLCTYSNNNAIKHSFSTKSLGTYTQLPSAPGICLPAGKVPHTTFDI 561
Qy 379 ADSHPEVAQRYEPM 392
Db 562 IEQYNELDIDIRPL 575

RESULT 12
US-09-458-791-8
Sequence 8, Application US/09458791
Patent No. 6174689

GENERAL INFORMATION:
APPLICANT: Spriggs, Melanie
TITLE OF INVENTION: RECEPTOR DNA AND POLYPEPTIDES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Janis C. Henry
STREET: 51 University St.
CITY: Seattle
STATE: WA
COUNTRY: US
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS-DOS/Windows 95
SOFTWARE: Word for Windows 95, 7.0a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/458,791
FILING DATE: 10-Dec-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/958,598
FILING DATE: 28-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Henry, Janis C
REGISTRATION NUMBER: 34,347
REFERENCE/DOCKET NUMBER: 2631
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)470-4189
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 661 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-458-791-8

Query Match 16.3%; Score 346; DB 4; Length 660;
Best Local Similarity 30.9%; Pred. No. 1.2e-27;
Matches 97; Conservative 49; Mismatches 128; Indels 40; Gaps 13;

Qy 84 VAVGGRGKYYHNFPEGRKASRYTVNIGSTKSCQDKQCCGVITLLERKGNGLVCGTN 143
Db 297 LVTGVNGAVYTFSSNNELNKTGLTNNN-----NYIT-TSIRVEDTLVCGTN 340
Qy 144 ARKPSQWNLVNSVYVMSLGEKGYAFSPDENS--LVLEGEDEVSTIRKQENKIPPF 201
Db 341 NQNPCKWKIDGSEDEPKYRG--RGYAPY---QNSKVTIISHNCCVLSIDINISKEG--IKRW 393
Qy 202 RIRIGES--ELVTSPTVMQNPQIKATIVHODAVDDKIYFFREDNPKNPAPLNVSR 259
Db 394 RRFDPGCGDYLTADVNIIPK--DGVKGAFAVDKGTY--DKVYILFTDTIDTKR--IVKIPY 448

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